(B i b l i o g r a p h i c a l  D a t a)

Utility Model Gazette

Publication No. 5-14620
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Application No. 5-24839
Application Date: August 27, 1930

Title of Utility Model: A torch lamp

Creator(s): Yasutake Sato in Japan

Applicant(s): Yuasa Battery Co., Ltd. in Japan

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(Explanatin of Utility Model, Scope of claim and drawing follow.)

昭和五年 實用新案出願公告第一四六二〇號 第二百類 四、白熱電燈

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# 懐中電燈

圖面ノ略解　第一圖ハ本案ノ縦斷面圖第二圖ハ本案主要部ヲ開示セル斜視圖第三圖ハ第一圖A—A線上ノ横斷平面圖第四圖ハ第二圖内部分品ノ外觀正面圖ニシテ圖中同一符號ハ同一部分ヲ示ス

實用新案ノ性質、作用及效果ノ要領　本案ハ電池外筒ニ取付ケタル「リング」ノ回轉ニ依リ燈具ノ伸縮ヲナサシメテ反射鏡ニ對スル電球ノ位置ヲ任意ニ調節シ得ル如クナシタル懐中電燈ニ係リ圖中①ハ金屬製外筒ニシテ其ノ中ニ電池②ヲ收容ス⑯ハ「エボナイト」等ノ絶縁物ニテ作レル絶縁臺ニシテ彈性鉄環㉒ニヨリテ外筒内ニ緊定シ絶縁臺⑯ニハ接觸片⑮ヲ植込ミ其ノ上ニ螺線發條⑭ヲ取付ケ該發條ニハ電球受⑬ヲ裝着シ電球⑧ヲ常ニ押壓シ且伸縮スル如クナシ絶縁臺⑯ノ上方ニハ第四圖ニ示スカ如キ電球取付函③ヲ設キ其ノ内部ニハ座環⑫ヲ嵌入セシム⑩ハ外筒ニ嵌入セル回轉自在ノ「リング」ニシテ鉄⑪ヲ以テ第四圖電球取付函③ノ側壁ニ穿チタル傾斜溝Eハ第二圖外筒①ニ穿チタル誘導溝Dト第三圖座環⑫ヲ貫通シテ之ヲ鉄着セリ③ハ反射鏡受ニシテ圖ノ如ク螺着シ押ヘ具④ト共ニ反射鏡⑤「レンズ」⑦及「レンズ」受⑥ヲ螺着ス又第四圖廻止メ溝Cヲ電球取付函③ノ側壁ニ設ケ之ヲ外筒ノ突子Eニ嵌入シ電球取付函③カ「リング」ノ旋廻ノ際上下遊動ヲナス如クセリ又外筒底部ニハ蓋㉑ノ内部ニ絶縁函⑳ヲ收容シ其ノ内側ニ彈性發條⑰ヲ固着シタル金屬函⑱ヲ裝入シ蓋㉑ヲ螺着セハ同時ニ絶縁物ニテ被覆セル金屬板⑲ノ一端ハ金屬函⑱ニ接觸シ他端ハ開閉器ニ連結ス而シテ電池②ノ一極ハ接觸片⑮發條⑭電球受⑬ヲ經テ電球⑧ニ通シ他極ハ前述ノ如ク彈性發條⑰金屬函⑱金屬片⑲及開閉器ヲ經テ外筒①「リング」⑩鉄⑪座環⑫電球取付函③ヲ經テ電球⑧ニ至リテ回路ヲ形成ス尚「リング」⑩ヲ回轉セハ電球取付函③ハ上下シ從テ電球⑧ノ上下遊動ヲナサシメ反射鏡⑤ニ對スル電球ノ位置ヲ調節スルモノトス

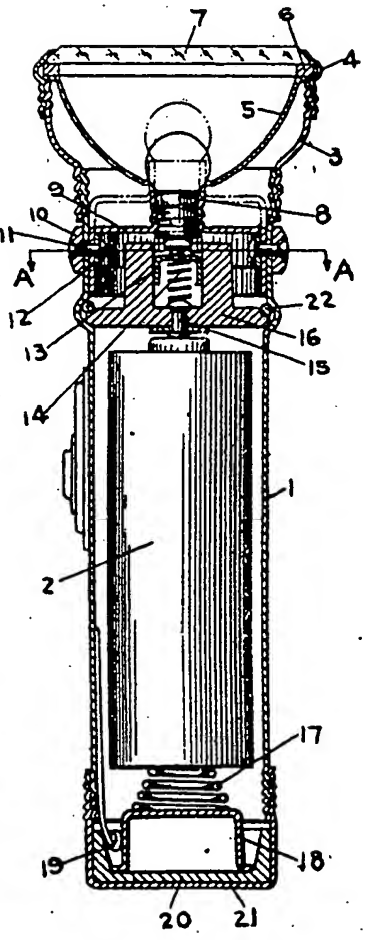
本案ニヨルトキハ電池ヲ一定位置ニ保持シ且反射鏡ヲ動カスコトナク單ニ「リング」⑩ヲ廻轉スルコトノミニヨリ反射鏡ヲ調節シ得ルヲ以テ其ノ操作至極便利ニシテ此種他電燈ノ如ク電池ノ底部ヲ無理ニ壓スルノ必要ナク各接觸部ハ完全ニ其ノ接觸ヲ保持ニルノ效果アリ

登錄請求ノ範圍　圖面並ニ說明ニ示スカ如ク外筒①ノ內部ニ絕緣裏⑯ヲ座セシメ其ノ中央孔ニ螺線發條⑭ヲ收容シテ電球根部ヲ伸縮自在ニ壓スル如クシ電球根部⑧ハ電球取付函⑨ニ螺着シ該函ニハ傾斜溝⑧ト廻リ止メ溝ⓒヲ設ケ外筒①ニ嵌入セル「リング」⑩ノ廻轉ニ伴ヒ電球取付函ハ上下遊動シ猶底蓋㉑ヲ外筒①ニ螺着スルコトニヨリテ金屬函⑱カ開閉器ニ連結セル金屬片⑲ニ接觸シ回路ヲ作ル如クナセル懷中電燈ノ構造

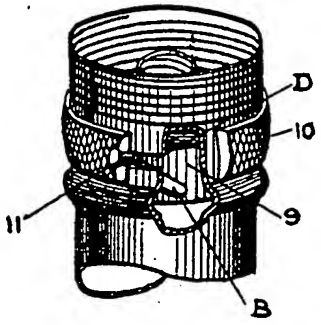
實用新案出願公告第一四六二〇號



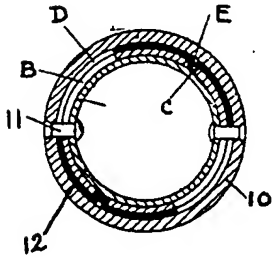
第一圖



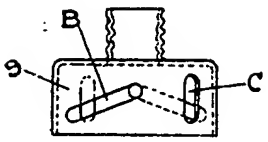

第二圖




第三圖




第四圖



Summarized Translation of Citation 2b

(Relevant parts only)

Japanese Utility Model Publication (KOKOKU) No. 5-14620 published Nov. 21, 1930

Japanese Utility Model Application No. 5-24839 filed Aug. 27, 1930

Applicant: YUASA BATTERY CO., LTD., Osaka, Japan

Inventor: Yasutaka SATO, Japanese citizen

Convention priority claimed: None

Title of Invention: A flash lamp

Detailed Description of Invention:

The present invention relates to a flash lamp in which a lighting means is elongated by rotating a ring attached onto an outer casing of a battery so as to adjust desirably a position of a bulb with respect to a reflective mirror. Reference numeral 1 is a metallic outer casing which holds a battery (2) therein. 16 is an insulating base made of ebonite. The insulating base is fixed in the outer casing by an elastic ring (22). A contact piece (15) is inserted into the insulating base (16). A spiral spring (14) is attached onto the contact piece. A bulb receiver (13) is mounted on the spiral spring which stretches to always push it. As seen from Fig. 4, a casing (9) mounting a bulb is disposed above the insulating base (16), and a seating ring (12) is fitted into the casing (9). 10 is a rotatable ring

which engages with the outer casing. The ring (10) is riveted on the seating ring (12) in Fig. 3 with the rivet (11) through a guide groove (D) formed on the outer casing (1) in Fig. 2 and an inclined groove (B) formed on a side wall of the casing (9) mounting the bulb in Fig. 4. 3 is a reflective mirror receiver which is screwed as in the figure. A pressing member (4), a reflective mirror (5), a lens (7), and a lens receiver (6) are screwed. As in Fig. 4, a rotation stop groove (C) is formed on a side wall of the casing mounting the bulb. A projection piece (E) engages with the rotation stop groove. Thus, during the rotation of the ring (10), the casing (9) attaching the bulb moves upwardly and downwardly.

TATION 26

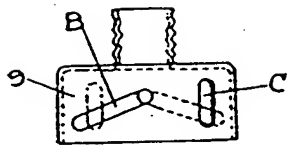


本案ニヨルトキハ電池ヲ一定位置ニ保持シ且反射鏡ヲ動カスコトナク單ニ「リング」10ヲ廻轉スルコトノミニヨリ反射鏡ヲ調節シ得ルヲ以テ其ノ操作至極便利ニシテ此種他電燈ノ如ク電池ノ底部ヲ無理ニ壓スルノ必要ナク各接觸部ハ完全ニ其ノ接觸ヲ保持ニルノ效果アリ

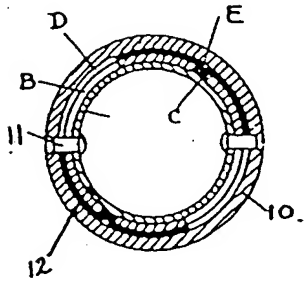
登錄請求ノ範圍　圖面並ニ說明ニ示ス如ク外筒(1)ノ內面ニ絕緣筒(16)ヲ座セシメ其ノ中央孔ニ螺線發條(15)ヲ收容シテ電球根部ヲ伸縮自在ニ支ヘ如ク電球根部ニハ電球取付筒(3)ヲ螺着シ該筒ニハ側方溝(B)ト廻ヲ止メ溝(C)ヲ設ケ外筒(1)ニ嵌入セル「リング」10ノ廻轉ニ作ヒ電球取付筒ハ上下運動シ猶底蓋(9)ヲ外筒(1)ニ螺着スルコトニヨリテ金屬筒(18)カ開閉器ニ連結セル金屬片(19)ニ接觸シ回路ヲ作ル如クナセル懷中電燈ノ構造

實用新案出願公告第一四六二一〇號

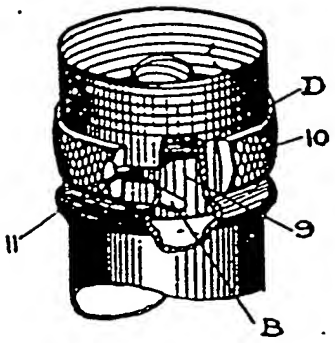
圖四 第 Fig. 4



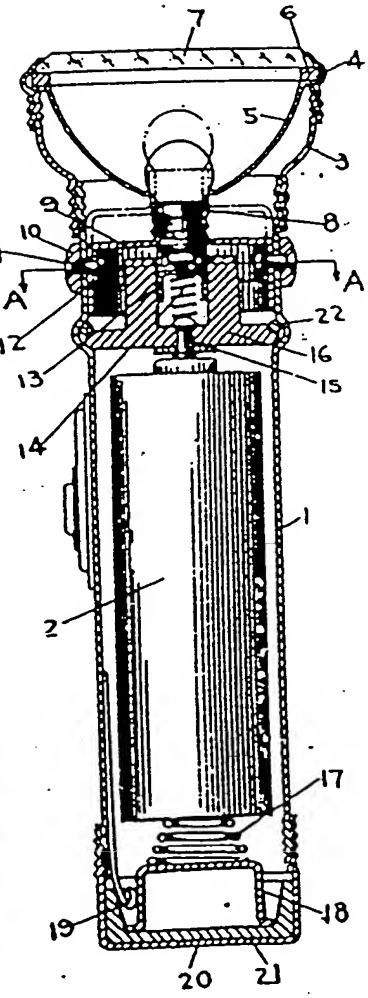

圖三 第 Fig. 3




圖二 第 Fig. 2




圖一 第 Fig. 1




the insulating base (16), and a seating ring (12) is fitted into the casing (9). 10 is a rotatable ring